DAQ update

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DAQ system

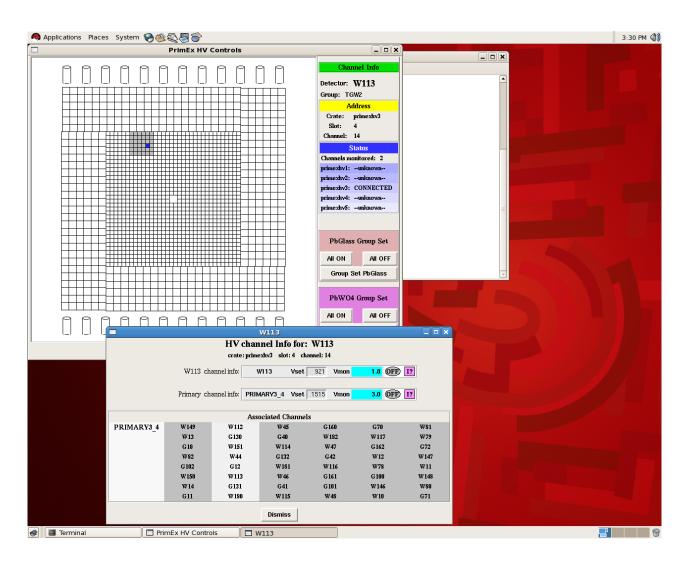
- The ROCs for two Fastbus crates and VME crate are set up
 - MVME 5100 CPU for Fastbus crates
 - MVME 2436 CPU for VME crate
 - Boot information is updated
- Still waiting for Trigger Interface from Sergey
 - Sergey encountered some problems in using TIs in CLAS12 DAQ system, he wanted to solve them first then try to implement TIs for the Fastbus crates
 - The master TI needs to be modified to be installed in our crate, the work is ongoing

High Voltage and Chiller

- Thanks to Mahbub, the windows machine with the controlling program of chiller can be used now
 - Xuefei tested the program, but we need the sensors inside HyCal box to be connected (in 1~2 days)
- High Voltage programs were revived
 - Every high voltage crate (primexhv1~5) was tested one by one
 - Some problems were found

High Voltage and Chiller

- primexhv1, primexhv2 and primexhv3 worked. They can be communicated and controlled by the program
- The cpu board of primexhv4 seems dead, no output, no communication
- primexhv5 can boot, but it stops at "Detecting IDE Primary Slave...", and thus no communication



Future plan

DAQ

- Will keep reminding that we need the TIs
- Take pedestal data after the TIs are setup

High Voltage

- Ask fast electronic group to see if the primexhv4 can be repaired, or ask CAEN to see if it can be repaired
- Test each channel to PMT one by one when the chiller can work

Chiller

- Take the sensors readout using the program
- Connect the chiller pipe and try to control it